



PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2004178084 A
 (43) Date of publication of application: 24.06.2004

(51) Int. Cl. G06F 12/00
 G06F 17/30

(21) Application number: 2002341210
 (22) Date of filing: 25.11.2002

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(54) METHOD, DEVICE AND PROGRAM FOR
 STORING XML DATA, AND RECORDING
 MEDIUM WITH PROGRAM RECORDED
 THEREON

to the up-grip column. The order of appearance and
 inter-data hierarchical relations are made distinguish-
 able.

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(57) Abstract:

PROBLEM TO BE SOLVED: To provide the storage
 technology of XML data for preventing the degree of
 freedom or flexibility of XML data from being greatly
 blocked.

SOLUTION: Tables 200, 201 and 202 are prepared
 for each element by defining link relations between
 the items of the contents and attribute values of each
 element defined by the schema information 101 of
 XML data and the data as columns C1 to C7. The
 XML data following the schema information are suc-
 cessively traced from a route, and the data of each
 element are stored in the columns C1 to C7 of the cor-
 responding tables. In particular, the down-grip column
 C3 and an up-grip column C4 are prepared, sequen-
 tial numbers are assigned to the down-grip column in
 the order of appearance of data, and the values of the
 down-grip assigned to a master element are assigned

